

# **Exhibit 23**



## Kursad Albayraktaroglu · 3rd

Senior SoC Design Engineer at Intel



- Intel



- University of Maryland

Austin, Texas, United States · [Contact info](#)

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### About

Ph.D in EE; with primary professional interests in microprocessor RTL design and verification, computer architecture, microprocessor performance modeling and hardware security. Experienced in many different aspects of front-end chip design and SoC (system-on-chip) design methodologies....

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### Activity

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## Experience



### Senior SoC Design Engineer

Intel

Jan 2013 - Present · 10 yrs 3 mos

Austin, Texas Area

I currently work as a SoC (System-on-Chip) Design Engineer on various Intel server CPU projects in the NEX (Networking & Edge Group) . I pr ...see more

**Skills:** SVA · Verilog · SystemVerilog · Functional Verification



### Member of Technical Staff

Advanced Micro Devices (AMD)

May 2006 - Dec 2012 · 6 yrs 8 mos

Austin, Texas Area

MTS (Member of Technical Staff) Design Engineer in the Microprocessor Solutions Sector, Austin South Design Center. I worked in the pre-silicon design verification team that verified the RTL designs of AMD "Barcelona" (world's first single-chip quad core x86 processor) quad-core microprocessor. I also contributed to the design verification of AMD "Shanghai", "Istanbul" and "Magny-Cours" server microprocessor designs.

I later worked on pre-silicon design verification and IP integration for the 32nm AMD "Llano" APU. I was responsible for integration of the low-power northbridge (memory controller). I contributed to the verification/IP integration methodology, did first-level debugging of northbridge-related problems, and coordinated all northbridge integration activities.

During the last two years of my career at AMD, I was involved in the design

verification of both of the next generation game console APUs designed by the company :

I first worked as the SoC DRAM verification lead of the AMD "Thebe-J" APU for the next generation Sony PlayStation 4 game console.

I was later responsible for verification of the secure boot functionality of the AMD "Kryptos" APU for the Microsoft Xbox One console on the Cadence Palladium emulation platform.



### Research Intern

IBM T.J. Watson Research Center

Jun 2005 - Dec 2005 · 7 mos

Yorktown Heights, NY

Worked on new applications for the STI Cell Broadband Engine (Cell BE). Most of this work involved porting several well-known scientific/ ...see more



### Research Assistant

University of Maryland

Aug 2002 - Jun 2005 · 2 yrs 11 mos

College Park, MD

Ph.D. candidate in Electrical & Computer Eng. Thesis subject was the performance evaluation and characterization of bioinformatic wc ...see more



### Software Engineer

Vibrant Solutions

Oct 2001 - Jun 2002 · 9 mos

Fairfax, VA

(Vibrant Solutions purchased the assets of Longitude Systems in October 2001)...

Show all 7 experiences →

## Education



University of Maryland



Ph.D., Electrical Engineering  
2002 - 2007



University of Maryland  
M.Sc., Electrical Engineering  
1998 - 2001



Bilkent University  
B.Sc., Electrical Engineering  
Aug 1993 - Jun 1997

Show all 4 education →

## Licenses & certifications



Software Security  
Coursera  
Issued Mar 2020  
Credential ID 2BXBZ5YZE9ZE

Show credential ↗



Usable Security  
Coursera  
Issued Feb 2020  
Credential ID JQKZLQ8L8TKE

Show credential ↗



Cryptography  
Coursera  
Issued Jan 2020  
Credential ID 2FB4Y3TJJD36

Show credential ↗

Show all 6 licenses & certifications →

## Skills

### SVA



Senior SoC Design Engineer at Intel



Endorsed by 2 colleagues at AMD

### Perl



Endorsed by Jason Doege who is highly skilled at this



Endorsed by 3 colleagues at Intel Corporation



21 endorsements

### Computer Architecture



Endorsed by Mohamed Zahran and 1 other who is highly skilled at this



Endorsed by 5 colleagues at AMD



23 endorsements

Show all 23 skills →

## Recommendations

Received

Given



**Mohamed Zahran** · 3rd

Faculty Member at New York University

March 14, 2008, Mohamed worked with Kursad on the same team

I have known Kursad for more than 7 years now. We were both members of

the same computer architecture laboratory at University of Maryland. Kursad has always been very energetic, imaginative, and hard working. He always tries to do his work to perfection. Also Kursad has a very good writing style...



**Rob Frye** · 3rd

Enterprise & Data Architect | Agile Cloud, DevOps Engineer | Network Software SME

October 2, 2005, Rob managed Kursad directly

Kursad is a very motivated developer who does continuous research to keep on top of cutting-edge technologies. Great guy to have on a team!

## Interests

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**Zeynep Tufekci**  · 3rd

Columbia Professor. New York Times Columnist. Author of the book Twitter and Tear Gas. Science, technology, society from a complex systems and sociology lens.

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CEO Intel

166,501 followers

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